

Serial No: 10/010721

Examiner: A. Psitos

Title: RELIEF DIFFRACTION GRATING BODY, AND OPTICAL PICK-UP AND OPTICAL INFORMATION APPARATUS USING SAME

**Amendments to the Specification:**

Please replace the title of the invention with the following amended title:

**RELIEF DIFFRACTION GRATING BODY, AND OPTICAL PICK-UP[[,]]**  
**SEMICONDUCTOR LASER APPARATUS AND OPTICAL INFORMATION**  
**APPARATUS USING THE SAME**

Please replace the paragraph beginning on line 21 of page 7 with the following amended paragraph:

Furthermore, it is preferable that a material of the base material having the refractive index  $n_1$  is at least one material selected from the group consisting of  $Ta_2O_5$ ,  $TiO_2$ ,  $ZrO_2$ ,  $Nb_2O_3$ ,  $ZnS$ ,  $LiNbO_3$  and  $LiTaO_3$ . With the use of the above-mentioned materials, it is possible to obtain a high refractive index  $n_1$  as high as 1.9 or more.

Please replace the paragraph beginning on line 28 of page 8 with the following amended paragraph:

Furthermore, it is preferable that a material of the single base material is at least one material selected from the group consisting of  $Ta_2O_5$ ,  $TiO_2$ ,  $ZrO_2$ ,  $Nb_2O_3$ ,  $ZnS$ ,  $LiNbO_3$  and  $LiTaO_3$ . With the use of the above-mentioned materials, it is possible to obtain a high refractive index  $n_1$  as high as 1.9 or more.

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Please replace the paragraph beginning on line 26 of page 26 with the following amended paragraph:

In the above, as the material with high refractive index, the case of using  $\text{Ta}_2\text{O}_5$  was explained. However, it is to be noted that the material is not limited to  $\text{Ta}_2\text{O}_5$  and other materials also can be used. For example,  $\text{TiO}_2$  (refractive index: about 2.3),  $\text{ZrO}_2$  (refractive index: about 1.95),  $\text{Nb}_2\text{O}_5$  (refractive index: about 2.3),  $\text{ZnS}$  (refractive index: about 2.3),  $\text{LiNbO}_3$  (refractive index: about 2.0),  $\text{LiTaO}_3$  (refractive index: about 1.9 to 2.0), and the like may be used.